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### A Hierarchical Key Distribution Scheme for Conditional Access ...

can not deduce its parent group key or brother group key, because ... Choose a number  $e$ , coprime to  $m$ ,  $\langle e, n \rangle$  is a public key; ...

[www.springerlink.com/index/61u0657769m53024.pdf](http://www.springerlink.com/index/61u0657769m53024.pdf) - Similar pages

### Hierarchical Key Distribution Scheme for Conditional Access System ...

A Group Key (GK). is added to the key distribution scheme in which partial .... public key;  
d) Find  $d$ , such that  $de \% m = 1$ , then  $\langle d, n \rangle$  is a. private key; ...

[ieeexplore.ieee.org/iel5/4072023/4076066/04076223.pdf?](http://ieeexplore.ieee.org/iel5/4072023/4076066/04076223.pdf?)

isnumber=4076086&prod=CNF&anumber=4076223... - Similar pages

### A scalable key distribution scheme for conditional access system ...

[12] A. G. Mason, "Conditional access for broadcasting", IBC, 1988, pp328- 333. [13] Lein Harn and Thomas Kiesler, "Authenticated group key distribution ...

[ieeexplore.ieee.org/iel5/30/29059/01309442.pdf](http://ieeexplore.ieee.org/iel5/30/29059/01309442.pdf) - Similar pages

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### A Key Transport Protocol for Conditional Access Systems ...

The group key is used by a central server to encrypt multicast data until a member joins or ...

Although public-key cryptography provides a viable solution, ...

[citeseerx.ist.psu.edu/showciting?sessionid=278892C045FD77EADFECC68F85E33836?](http://citeseerx.ist.psu.edu/showciting?sessionid=278892C045FD77EADFECC68F85E33836?cid=380595)  
[cid=380595](#) - 28k - Cached - Similar pages

### Threshold cryptography scheme for conditional access systems ...

Although the conditional access provider often privately defines the protection of the ECMs, public key cryptography is a viable tool for transporting keys ...

[www.freepatentsonline.com/7224806.html](http://www.freepatentsonline.com/7224806.html) - 66k - Cached - Similar pages

### Multicast Security (MSEC) Group Key Management Architecture (RFC

Authentication Key The GCKS provides a symmetric or public key for ... channel for broadcast applications such as television conditional access systems. 3. ...

[www.ietf.org/rfc/rfc4046.txt](http://www.ietf.org/rfc/rfc4046.txt) - 97k - Cached - Similar pages

### By public key method (Page 2)

6584566, Distributed group key management for multicast security .... 6246767, Source authentication of download information in a conditional access system ...

[www.palmerpatent.com/CL360/public\\_key\\_method\\_282\\_2.html](http://www.palmerpatent.com/CL360/public_key_method_282_2.html) - 35k -

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### ACM Multimedia 2002

"Multicast Security: Issues in Group Key Management," Thomson multimedia, Inc., ... "A Conditional Access System for Broadcast Digital Television. ...

[mm02.eurecom.fr/tutorials/eskicoglu.html](http://mm02.eurecom.fr/tutorials/eskicoglu.html) - 18k - Cached - Similar pages

### A Receiver Authentication and Group Key Delivery Protocol for ...

needs to support the public-key infrastructure (PKI) to au- ... [6] Association Radio Industries and Business, "The conditional access ...

[ietcom.oxfordjournals.org/cgi/reprint/E88-B/3/1139.pdf](http://ietcom.oxfordjournals.org/cgi/reprint/E88-B/3/1139.pdf) - Similar pages

### System for broadcasting data signals in a secure manner - US ...

Methods for providing conditional access information to decoders in a .... The difference key D' is decrypted in a decryptor 4D using the group key G to ...  
[www.patentstorm.us/patents/6393128-description.html](http://www.patentstorm.us/patents/6393128-description.html) - 33k - Cached - Similar pages

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### Verification of the source of program information in a conditional ...

transmitting over the conditional access system the system information, the control word, and the source authenticator from the source to the receiver. ...

[www.patentstorm.us/patents/6105134-claims.html](http://www.patentstorm.us/patents/6105134-claims.html) · 27k · Cached · Similar pages

### Dynamically shifting control word - US Patent 7397918

EBU Project Group B/CA, "Functional model of a conditional access system" EBU Review ... Usage or charge determination380/285, By public key method380/200, ...

[www.patentstorm.us/patents/7397918.html](http://www.patentstorm.us/patents/7397918.html) · 21k · Cached · Similar pages

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### Control of Enhanced Application Features Via A Conditional Access ...

A service provider provides conditional access to data that is decrypted by authorized ... Of course, a new control word is generated for each new ECM 107. ...

[www.freepatentsonline.com/y2007/0143854.html](http://www.freepatentsonline.com/y2007/0143854.html) · 51k · Cached · Similar pages

### Source authentication of download information in a conditional ...

A cable television system provides conditional access to services. ... decrypting said control word using a public key included in said public-private key ...

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### (WO/1999/007149) SOURCE AUTHENTICATION OF DOWNLOAD INFORMATION IN ...

The method set forth in claim 5, wherein said public key comprises a certified ... a control word using a private key provided by a conditional access ...

[www.wipo.int/pctdb/en/wo.jsp?IA=WO1999007149&DISPLAY=CLAIMS](http://www.wipo.int/pctdb/en/wo.jsp?IA=WO1999007149&DISPLAY=CLAIMS) · 21k ·

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### Conditional Access in Mobile Systems: Securing the Application

sion site, the control word is encrypted by the conditional .... conditional access software.

Cert. X. is a public key certificate for entity X ...

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### Advances In Conditional Access Technology - Broadcasting ...

schemes often in combination with public key, based components. .... common algorithm with a certain Control Word. Each Conditional Access system encrypts ...

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### A Hierarchical Key Distribution Scheme for Conditional Access ...

ized by Control Word (CW). The authorized users can descramble the scrambled .... Choose a number e, coprime to m, <e, n> is a public key; ...

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### [PDF] Conditional Access in Mobile Systems: Securing the Application

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key known as the control word. Since the cryptographic .... conditional access software.

Cert. X. is a public key certificate for entity X ...

[www.isg.rhul.ac.uk/~allan/Publications/ConditionalAccessin2005.pdf](http://www.isg.rhul.ac.uk/~allan/Publications/ConditionalAccessin2005.pdf) · Similar pages

### Conditional access

Known conditional access apparatuses use a control word generator to obtain .... of a selected private and public key pair without knowing the private key ...  
[www.palmerpatent.com/CL380/cryptanalysis\\_1/6430290\\_conditional\\_access.html](http://www.palmerpatent.com/CL380/cryptanalysis_1/6430290_conditional_access.html) - 32k -  
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### Conditional Access in Mobile Systems: Securing the Application

However, if a mobile subscriber requires access to ser- ..... conditional access software.

Cert. X. is a public key certificate for entity X ...

ieeexplore.ieee.org/iel5/9517/30165/01365201.pdf - Similar pages

### [PDF] Conditional Access in Mobile Systems: Securing the Application

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Mobile VCE Research Group, Information Security Group, ..... conditional access software.

Cert. X. is a public key certificate for entity X ...

www.isg.rhul.ac.uk/~allan/Publications/ConditionalAccessin2005.pdf - Similar pages

### Fast authentication and access control method for mobile ...

Fast authentication and access control method for mobile networking - US ... R. Housley et al., Internet X.509 Public Key Infrastructure Certificate and CRL ...

www.patentstorm.us/patents/7174456-claims.html - 16k - Cached - Similar pages

### Fast authentication and access control method for mobile ...

... the access point grants the network access device conditional access to the ..... The security certificate contains the mobile host's public key, ...

www.freepatentsonline.com/7174456.html - 54k - Cached - Similar pages

### Digital Rights Management and Conditional Access

... to a plethora of end-user devices, including mobile handsets, set-top boxes, PCs, ...

Conditional access is essential. With robust DRM software you can: ...

www.certicom.com/index.php/digital-rights-management-and-conditional-access - 15k - Cached - Similar pages

### [PDF] PowerPoint Presentation

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Conditional Access in. Mobile Systems: Securing the Application .... Public Key.

Signature. Certificate. Issuer. Subject. Public Key. Signature ...

lfc.univ-fcomte.fr/~dfma05/dfmaslides/sessionA4/gallery.pdf - Similar pages

### Fast authentication and access control system for mobile ...

Fast authentication and access control system for mobile networking ... grant the network access device conditional access to the network by sending an ...

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### [PDF] Microsoft PowerPoint - Service\_Content\_Protection\_Mobile\_Broadcast.ppt

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Mobile Broadcast Service Standardization. OMA. Mobile Broadcast Services ... Conditional Access). OMA BCAS. OMA DRM 2.0 / PSS. OMA DRM 2.0. (de facto) ...

mmc05.hhl.de/Downloads/5\_Service\_Platforms/

Hartung\_Content\_Protection\_Mobile\_Broadcast.pdf - Similar pages

### (WO/2006/108181) SECURE CONDITIONAL ACCESS AND DIGITAL RIGHTS ...

The secure kernel 204 within the single mobile multimedia processor chip 202 may verify the upgrade server 203 using a user public key. ...

www.wipo.int/pctdb/en/wipo.jsp?IA=WO/2006/108181&DISPLAY=DESC - 50k - Cached - Similar pages

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\*Conditional Access LSI for Broadcast Satellite Service for Mobile Receivers ... facto  
standard scheme in public key cryptosystems and digital signatures. ...

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### Cryptography inventions -

20080159543 - Public key cryptographic method and system, .... stream encrypted with at least one first control word and broadcasted via an emitter of a ...

[www.freshpatents.com/Cryptography-dfnewitc360.php](http://www.freshpatents.com/Cryptography-dfnewitc360.php) - 60k - [Cached](#) - [Similar pages](#)

### CodeProject: C# Discussion Boards, Free source code and ...

You can control word from C# code. Word can save and load RTF and can save HTML ...

The problem I'm facing is that I want to send the public key via socket ...

[www.codeproject.com/script/Forums/View.aspx?fid=1649&msg=2625661](http://www.codeproject.com/script/Forums/View.aspx?fid=1649&msg=2625661) - 101k -

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### [PDF] PowerPoint Presentation

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Control Word. Generator. ECM Generator. EMM Generator. Subscriber .... Public Key.

Signature. DVB-S. DVB-T. DVB-C. Broadcasters. Mobile Receiver ...

[lfc.univ-fcomte.fr/~dfma05/dfmaslides/sessionA4/gallery.pdf](http://lfc.univ-fcomte.fr/~dfma05/dfmaslides/sessionA4/gallery.pdf) - [Similar pages](#)

### [PDF] A DLP-based encryption scheme

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EEPROM size is critical issue in the design of public-key applications, .... broadcasts periodically (typically each 100 to 500ms) an encrypted control-word ...

[www.gemplus.com/smart/rd/publications/pdf/Mou05fid.pdf](http://www.gemplus.com/smart/rd/publications/pdf/Mou05fid.pdf) - [Similar pages](#)

### Patents in Class 380/277

A method for generating a plurality of control words, each control word .... key and the public key from a mobile station to a key managing computer, ...

[www.freepatentsonline.com/CCL-360-277.html](http://www.freepatentsonline.com/CCL-360-277.html) - 81k - [Cached](#) - [Similar pages](#)

### Pantek Library - Expert Linux and Open Source Services

Pseudowire Emulation Edge-to-Edge (PWE3) Control Word for Use. RFC 4386, Internet X.509 Public Key Infrastructure Repository Locator ...

[library.pantek.com/Miscellaneous/RFC%20Archives/index-4166-4655.html](http://library.pantek.com/Miscellaneous/RFC%20Archives/index-4166-4655.html) - 91k -

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### PII: S1389-1286(01)00165-7

cryptology reflects the revolution of digital information, e.g., mobile phone and MPEG television. .... public key consists of a public exponent e and a ...

[linkinghub.elsevier.com/retrieve/pii/S1389128601001657](http://linkinghub.elsevier.com/retrieve/pii/S1389128601001657) - [Similar pages](#)

### Method and system for protecting video data - US Patent 7120253

380/285, By public key method380/212, Plural video stream ... Inventor: Kim5563950,

System and methods for data encryption using public key cryptography ...

[www.patentstorm.us/patents/7120253/claims.html](http://www.patentstorm.us/patents/7120253/claims.html) - 44k - [Cached](#) - [Similar pages](#)

### IETF Progress Report 1-Mar-05 to 31-Mar-05 1) 34 IESG Protocol ...

... o Internet X.509 Public Key Infrastructure Certificate Request Message .... o PWE3

Control Word for use over an MPLS PSN <draft-ietf-pwe3-cw-03.txt> ...

[www.ietf.org/IMR/IMR-2005-03](http://www.ietf.org/IMR/IMR-2005-03) - 36k - [Cached](#) - [Similar pages](#)

### An Encryption-Enabled Network Protocol Accelerator

